

ANALYTICA CHIMICA ACTA, VOL. 284 (1994)

AUTHOR INDEX

- Abollino, O., see Sarzanini, C. 661
- Aceto, M., see Sarzanini, C. 661
- Achterberg, E.P.
— and Van den Berg, C.M.G.
Automated voltammetric system for shipboard determination of metal speciation in sea water 463
- Alder, J.F., see Kippax-Davis, K.J. 13
- Alegret, S., see Céspedes, F. 21
- Aller, A.J.
Roll-over effect in graphite furnace atomic absorption spectrometry with a gold pulsed hollow-cathode lamp 361
- Andreev, G.N.
—, Argirov, O.K. and Penchev, P.N.
Expert system for the interpretation of infrared spectra 131
- Aoki, T.
—, Fujimaru, Y., Oka, Y. and Fujie, K.
Continuous-flow method for the determination of total inorganic carbonate in water 167
- Argirov, O.K., see Andreev, G.N. 131
- Ariño, C., see Esteban, M. 435
- Armanino, C.
—, Forina, M., Bonfanti, L. and Maspero, M.
Extracting information from complex chromatographic fingerprints for evaluation of organic air pollution 79
- Baillet, A., see Pianetti, G.A. 291
- Barek, J., see Ignjatović, L.M. 413
- Bartsch, R.A., see Wood, D.J. 37
- Baylocq-Ferrier, D., see Pianetti, G.A. 291
- Bertucat, M., see Joseph-Charles, J. 45
- Bondarenko, I., see Treiger, B. 119
- Bonfanti, L., see Armanino, C. 79
- Bos, M., see Palys, M.J. 107
- Bruland, K.W., see Donat, J.R. 547
- Bruland, K.W., see Miller, L.A. 573
- Buffle, J., see Parthasarathy, N. 649
- Bullick, H.J., see Burns, D.T. 195
- Bully, M., see Kippax-Davis, K.J. 13
- Burden, F.R.
Use of the spectral trace length in determining the concentration of known compounds in complex mixtures 125
- Burns, D.T.
—, Chimpalee, D. and Bullick, H.J.
Spectrophotometric determination of antimony after extraction of Brilliant Green hexachloroantimonate(V) with microcrystalline 1,4-dichlorobenzene 195
- Buttle, L., see Schmitt, A. 249
- Campíns-Falcó, P.
—, Herráez-Hernández, R. and Sevillano-Cabeza, A.
On-line trace enrichment for the determination of ethacrynic acid in urine by liquid chromatography and column-switching 67
- Campos, M.L.A.M.
— and Van den Berg, C.M.G.
Determination of copper complexation in sea water by cathodic stripping voltammetry and ligand competition with salicylaldehyde 481
- Cerdà, V., see Forteza, R. 453
- Céspedes, F.
—, Martínez-Fàbregas, E. and Alegret, S.
Amperometric glucose biosensor based on an electrocatalytically bulk-modified epoxy-graphite biocomposite 21
- Chaminade, P., see Pianetti, G.A. 291
- Chartier, A.
— and Georges, J.
Liquid chromatographic determination of carotenoids using dual-beam continuous-wave laser thermal lens detection 311
- Chen, J.-F.
—, Khalili, F.I., Mohammed, A.K. and Choppin, G.R.
Extraction and spectrophotometric determination of Nd(III), Th(IV) and U(VI) in synthetic brine using Chlorophosphonazo III 593
- Chimpalee, D., see Burns, D.T. 195
- Cho, J.H., see Park, M.K. 73
- Choppin, G.R., see Chen, J.-F. 593
- Collado-Sánchez, C., see Hernández-Brito, J.J. 405
- Collins, G.E.
— and Rose-Pehrsson, S.L.
Sensitive, fluorescent detection of hydrazine via derivatization with 2,3-naphthalene dicarboxaldehyde 207
- Ćosović, B., see Plavšić, M. 539
- Crouch, S.R., see Hsieh, Y.-S. 159
- Dasgupta, P.K., see Sato, H. 27
- Degezelle, W., see Jimidar, M. 217
- De Jong, E.A.M., see Luinge, H.J. 419
- Derksen, M.W.J., see Smits, J.R.M. 91
- Donat, J.R.
—, Lao, K.A. and Bruland, K.W.
Speciation of dissolved copper and nickel in South San Francisco Bay: a multi-method approach 547
- Economou, A., see Kippax-Davis, K.J. 13
- Elshani, S., see Wood, D.J. 37
- Esteban, M.

- , Ariño, C., Ruisánchez, I., Larrechi, M.S. and Rius, F.X.
Expert system for the voltammetric determination of trace metals. Part III. Methods for determining mercury, selenium and vanadium 435
- Estela, J.M., see Forteza, R. 453
- Fielden, P.R., see Kippax-Davis, K.J. 13
- Findlay, Jr., M.W., see Stetter, J.R. 1
- Fischer, Ch.-H.
— and Rabe, J.G.
Flow-injection analysis with a linear pH gradient and diode-array detection applied to organic dyes 257
- Forina, M., see Armanino, C. 79
- Forteza, R.
—, Gómez, E., Estela, J.M. and Cerdà, V.
Sequential kinetic thermometric determination of the activity of peroxidase and catalase using catechol as substrate and inhibitor for their reaction with hydrogen peroxide 453
- Freiser, H., see Yamazaki, H. 379
- Fujie, K., see Aoki, T. 167
- Fujimaru, Y., see Aoki, T. 167
- Gao, Z.
— and Ivaska, A.
Electrochemical behaviour of dopamine and ascorbic acid at overoxidized polypyrrole(dodecyl sulphate) film-coated electrodes 393
- Gazda, K., see Makuch, B. 53
- Gelado-Caballero, M.D., see Hernández-Brito, J.J. 405
- Georges, J., see Chartier, A. 311
- Gleed, J., see Kramer, J.R. 599
- Gómez, E., see Forteza, R. 453
- Gracey, K., see Kramer, J.R. 599
- Greibrokk, T., see Skurdal, M. 235
- Hagman, A., see Jacobsson, S.P. 137
- Hamoir, T., see Jimidar, M. 217
- Haraldsson, C.
—, Lyén, B., Pollak, M. and Skoog, A.
Multi-element speciation of trace metals in fresh water adapted to plasma source mass spectrometry 327
- Hartenstein, S., see Wood, D.J. 37
- Haswell, S., see Schmitt, A. 249
- Heinze, K.F.
— and Nieman, T.A.
Characterization of electrogenerated peroxyoxalate chemiluminescence 337
- Hennion, M.-C., see Pichon, V. 317
- Hernández-Brito, J.J.
—, Pérez-Peña, J., Gelado-Caballero, M.D. and Collado-Sánchez, C.
Rapid adsorptive cathodic stripping voltammetry of zinc complexes in sea water 405
- Herráez-Hernández, R., see Campíns-Falcó, P. 67
- Hirokawa, K., see Wagatsuma, K. 351
- Hirose, K.
Conditional stability constants of metal complexes of organic ligands in sea water: past and present, and a simple coordination chemistry model 621
- Hop, E., see Luinge, H.J. 419
- Hsieh, Y.-S.
— and Crouch, S.R.
Stopped-flow, air-segmented continuous flow: kinetic determinations of glucose and phosphate in wine and serum samples 159
- Huang, K.-S., see Lu, P.-L. 181
- Huntley, M., see Wood, D.J. 37
- Ignjatović, L.M.
—, Barek, J., Zima, J. and Marković, D.A.
Polarographic behaviour and determination of 1-(4'-bromophenyl)-3,3-dimethyltriazene 413
- Irgolic, K.J., see Kölbl, G. 301
- Ishimori, Y.
— and Rokugawa, K.
High sensitive microcapsule immunoassay for protein antigens or antibodies 227
- Ivaska, A., see Gao, Z. 393
- Jacobsson, S.P.
— and Hagman, A.
Chemical composition analysis of carrageenans by infrared spectroscopy using partial least squares and neural networks 137
- Jain, A.
—, Verma, K.K. and Townshend, A.
Determination of paraquat by flow-injection spectrophotometry 275
- Jia, Z., see Zou, H. 59
- Jiang, S.-J., see Lu, P.-L. 181
- Jimidar, M.
—, Hamoir, T., Degezelle, W., Massart, D.L., Soykeg, S. and Van de Winkel, P.
Method development and optimization for the determination of rare earth metal ions by capillary zone electrophoresis 217
- Jirka, G.P.
—, Martin, A.F. and Nieman, T.A.
pH and concentration response surfaces for the luminol-H₂O₂ electrogenerated chemiluminescence reaction 345
- Joseph-Charles, J.
— and Bertucat, M.
Separation, identification and assay of fluradoline hydrochloride in the presence of other tricyclic antidepressants or neuroleptics by spectral and thin-layer and liquid chromatographic methods 45
- Kalcher, K., see Kölbl, G. 301
- Kamiński, M., see Makuch, B. 53
- Kashin, A.N., see Volynsky, A.B. 367
- Kateman, G., see Smits, J.R.M. 91
- Khalili, F.I., see Chen, J.-F. 593
- Kim, N.Y., see Park, M.K. 73

- Kippax-Davis, K.J.
—, Bully, M., Economou, A., Fielden, P.R., Watson, A.F.R. and Alder, J.F.
Electrochemical behaviour of nitrobenzene in aqueous ethanol studied by differential pulse polarography 13
- Kölbl, G.
—, Kalcher, K. and Irgolic, K.J.
Ion chromatographic determination of selenite and selenate with selenium-specific detection by flame and graphite furnace atomic absorption spectrometry 301
- Kramer, J.R.
—, Gleed, J. and Gracey, K.
Aluminum-pyrocatechol violet reactivity with various complexing agents 599
- Labuda, J.
—, Vaníčková, M., Uhlemann, E. and Mickler, W.
Applicability of chemically modified electrodes for determination of copper species in natural waters 517
- Lao, K.A., see Donat, J.R. 547
- Larrecchi, M.S., see Esteban, M. 435
- Liu, J., see Wang, J. 385
- Lu, P., see Zou, H. 59
- Lu, P.-L.
—, Huang, K.-S. and Jiang, S.-J.
Determination of traces of copper, cadmium and lead in biological and environmental samples by flow-injection isotope dilution inductively coupled plasma mass spectrometry 181
- Luinge, H.J.
—, Hop, E., Lutz, E.T.G., Van Hemert, J.A. and De Jong, E.A.M.
Determination of the fat, protein and lactose content of milk using Fourier transform infrared spectrometry 419
- Luther, III, G.W.
—, Nuzzio, D.B. and Wu, J.
Speciation of manganese in Chesapeake Bay waters by voltammetric methods 473
- Lutz, E.T.G., see Luinge, H.J. 419
- Lyén, B., see Haraldsson, C. 327
- Mackey, D.J.
— and Zirino, A.
Comments on trace metal speciation in seawater or do "onions" grow in the sea? 635
- Maes, P.C.
— and Nagels, L.J.
Characterization of an immobilized hexose oxidase reactor for mono- and oligosaccharide determination by liquid chromatography 281
- Mahuzier, G., see Pianetti, G.A. 291
- Makuch, B.
—, Gazda, K. and Kamiński, M.
Determination of phenol and monochlorophenols in water by reversed-phase liquid chromatography 53
- Marković, D.A., see Ignjatović, L.M. 413
- Martin, A.F., see Jirka, G.P. 345
- Martínez-Fàbregas, E., see Céspedes, F. 21
- Martínez-Lozano, C., see Pérez-Ruiz, T. 173
- Maspero, M., see Armanino, C. 79
- Massart, D.L., see Jimidar, M. 217
- Melssen, W.J., see Smits, J.R.M. 91
- Mentasti, E., see Sarzanini, C. 661
- Mickler, W., see Labuda, J. 517
- Midorikawa, T.
— and Tanoue, E.
Detection of a strong ligand for copper in sea water and determination of its stability constant 605
- Miller, L.A.
— and Bruland, K.W.
Determination of copper speciation in marine waters by competitive ligand equilibration/liquid-liquid extraction: an evaluation of the technique 573
- Millero, F.J., see Zhang, J.-Z. 497
- Mohammed, A.K., see Chen, J.-F. 593
- Moreira de Campos, L.M., see Pianetti, G.A. 291
- Morrison, G.M., see Wei, C. 587
- Mota, A.M., see Pinheiro, J.P. 525
- Motlagh, S.
— and Pawliszyn, J.
On-line monitoring of flowing samples using solid phase microextraction-gas chromatography 265
- Nagels, L.J., see Maes, P.C. 281
- Ni, Y.
Trace metal determinations by spectrophotometry with a double chromogenic system and a chemometric approach 199
- Nieman, T.A., see Heinze, K.F. 337
- Nieman, T.A., see Jirka, G.P. 345
- Nuzzio, D.B., see Luther, III, G.W. 473
- Oka, Y., see Aoki, T. 167
- Østbye, M., see Skurdal, M. 235
- Palys, M.J.
—, Bos, M. and Van der Linden, W.E.
Automatic polarographic elucidation of electrode mechanisms by means of a knowledge-based system. Part 4. Elucidation of mechanisms of newly synthesized compounds 107
- Park, J.H., see Park, M.K. 73
- Park, M.K.
—, Cho, J.H., Kim, N.Y. and Park, J.H.
Chromatographic pattern recognition for the analysis of complex mixtures 73
- Parthasarathy, N.
— and Buffle, J.
Capabilities of supported liquid membranes for metal speciation in natural waters: application to copper speciation 649
- Pawliszyn, J., see Motlagh, S. 265
- Penchev, P.N., see Andreev, G.N. 131
- Penrose, W.R., see Stetter, J.R. 1
- Pérez-Bendito, D., see Sicilia, D. 149
- Pérez-Peña, J., see Hernández-Brito, J.J. 405

- Pérez-Ruiz, T.
—, Martínez-Lozano, C., Sanz, A. and Val, O.
Flow-injection determination of oxalate by a photoinduced chemiluminescent reaction 173
- Pianetti, G.A.
—, Moreira de Campos, L.M., Chaminade, P., Baillet, A., Baylocq-Ferrier, D. and Mahuzier, G.
Application of ion chromatography with indirect spectrophotometric detection to the sensitive determination of alkylphosphonic acids and fosfomycin 291
- Pichon, V.
— and Hennion, M.-C.
Comparison of on-line enrichment based on ion-pair and cation-exchange liquid chromatography for the trace-level determination of 3-amino-1,2,4-triazole (aminotriazole) in water 317
- Pinheiro, J.P.
—, Mota, A.M. and Simões Gonçalves, M.L.
Complexation study of humic acids with cadmium(II) and lead(II) 525
- Plavšić, M.
— and Čosović, B.
Influence of surface-active substances on the redox processes of metal ions: a contribution to the speciation analysis of metals in aquatic systems 539
- Pollak, M., see Haraldsson, C. 327
- Rabe, J.G., see Fischer, Ch.-H. 257
- Ríos, A., see Sanz-Martínez, A. 189
- Rius, F.X., see Esteban, M. 435
- Rokugawa, K., see Ishimori, Y. 227
- Rose-Pehrsson, S.L., see Collins, G.E. 207
- Rubio, S., see Sicilia, D. 149
- Ruizánchez, I., see Esteban, M. 435
- Sacchero, G., see Sarzanini, C. 661
- Sanz, A., see Pérez-Ruiz, T. 173
- Sanz-Martínez, A.
—, Ríos, A. and Valcárcel, M.
Determination of dissolved oxygen by use of a spectrophotometric flow-through sensor 189
- Sarzanini, C.
—, Sacchero, G., Aceto, M., Abollino, O. and Mentasti, E.
Ion chromatographic separation and on-line cold vapour atomic absorption spectrometric determination of methylmercury, ethylmercury and inorganic mercury 661
- Sato, H.
— and Dasgupta, P.K.
Analyte identification in ion chromatography. Electromigration governed chronoamperometric profiles 27
- Schmitt, A.
—, Buttle, L., Uglow, R., Williams, K. and Haswell, S.
An integrated reduction method for the determination of urea as ammonia in fresh water samples 249
- Schroeder, K.M., see Stetter, J.R. 1
- Senin, V.G., see Volynsky, A.B. 367
- Sevillano-Cabeza, A., see Campíns-Falcó, P. 67
- Sicilia, D.
—, Rubio, S. and Pérez-Bendito, D.
Micellar effects on reaction kinetics. Part I. Simultaneous determination of chromium(VI), vanadium(V) and titanium(IV) 149
- Sigg, L., see Xue, H.B. 505
- Simões Gonçalves, M.L., see Pinheiro, J.P. 525
- Skoog, A., see Haraldsson, C. 327
- Skurdal, M.
—, Østbye, M. and Greibrokk, T.
Selectivity and yields in supercritical fluid extraction of tar-mats and source rocks 235
- Smits, J.R.M.
—, Melssen, W.J., Derksen, M.W.J. and Kateman, G.
Drift correction for pattern classification with neural networks 91
- Soykeç, S., see Jimidar, M. 217
- Sperline, R.P., see Yamazaki, H. 379
- Stetter, J.R.
—, Findlay, Jr., M.W., Schroeder, K.M., Yue, C. and Penrose, W.R.
Quality classification of grain using a sensor array and pattern recognition 1
- Tanoue, E., see Midorikawa, T. 605
- Tikhomirov, S.V., see Volynsky, A.B. 367
- Tong, S., see Zeng, W. 445
- Townshend, A., see Jain, A. 275
- Treiger, B.
—, Van Malderen, H., Bondarenko, I., Van Espen, P. and Van Grieken, R.
Studying aerosol samples by non-linear mapping of electron probe microanalysis data 119
- Uglow, R., see Schmitt, A. 249
- Uhlemann, E., see Labuda, J. 517
- Val, O., see Pérez-Ruiz, T. 173
- Valcárcel, M., see Sanz-Martínez, A. 189
- Van den Berg, C.M.G., see Achterberg, E.P. 463
- Van den Berg, C.M.G., see Campos, M.L.A.M. 481
- Van der Linden, W.E., see Palys, M.J. 107
- Van de Winkel, P., see Jimidar, M. 217
- Van Espen, P., see Treiger, B. 119
- Van Grieken, R., see Treiger, B. 119
- Van Hemert, J.A., see Luinge, H.J. 419
- Vaničková, M., see Labuda, J. 517
- Van Malderen, H., see Treiger, B. 119
- Verma, K.K., see Jain, A. 275
- Volynsky, A.B.
—, Tikhomirov, S.V., Senin, V.G. and Kashin, A.N.
Some processes occurring in graphite furnaces used for electrothermal atomic absorption spectrometry in the presence of organic chemical modifiers 367
- Wagatsuma, K.
— and Hirokawa, K.
Assessment of the population of neutral and singly ionized

- zinc species in argon and argon-nitrogen inductively coupled plasma by atomic absorption spectrometry 351
- Wai, C.M., see Wood, D.J. 37
- Wang, J.
 - and Liu, J.
 - Fumed-silica containing carbon-paste dehydrogenase biosensors 385
- Wang, P., see Zeng, W. 445
- Watson, A.F.R., see Kippax-Davis, K.J. 13
- Wei, C.
 - and Morrison, G.M.
 - Platinum analysis and speciation in urban gullypots 587
- Williams, K., see Schmitt, A. 249
- Wood, D.J.
 - , Elshani, S., Wai, C.M., Bartsch, R.A., Huntley, M. and Hartenstein, S.
 - Column chromatographic separation of Y^{3+} from Sr^{2+} by polymeric ionizable crown ether resins 37
- Wu, J., see Luther, III, G.W. 473
- Xue, H.B.
 - and Sigg, L.
 - Zinc speciation in lake waters and its determination by ligand exchange with EDTA and differential pulse anodic stripping voltammetry 505
- Yamazaki, H.
 - , Sperline, R.P. and Freiser, H.
 - Spectrophotometric determination of the dissociation constant (pK_a) of arsenous acid 379
- Yue, C., see Stetter, J.R. 1
- Zeng, W.
 - , Wang, P., Zhang, H. and Tong, S.
 - Qualitative and quantitative analyses of synthetic pigments in foods by using the branch and bound algorithm 445
- Zhang, H., see Zeng, W. 445
- Zhang, J.-Z.
 - and Millero, F.J.
 - Investigation of metal sulfide complexes in sea water using cathodic stripping square wave voltammetry 497
- Zhang, Y., see Zou, H. 59
- Zima, J., see Ignjatović, L.M. 413
- Zirino, A., see Mackey, D.J. 635
- Zou, H.
 - , Jia, Z., Zhang, Y. and Lu, P.
 - Separation of aqueous polythionates by reversed-phase ion-pair liquid chromatography with suppressor-conductivity detection 59